

L Number	Hits	Search Text	DB	Time stamp
16	32	"silane-treated glass" and isocyanate	USPAT; US-PGPUB	2003/12/09 09:39
20	1	5281660.pn.	USPAT; US-PGPUB	2003/12/09 09:49
31	341	"aminosilane" and protein	USPAT; US-PGPUB	2003/12/09 10:02
32	2	"aminosilane" and protein and phosgene	USPAT; US-PGPUB	2003/12/09 10:05
33	65611	"aminosilane" and protein isocyanate	USPAT; US-PGPUB	2003/12/09 10:07
34	47	"aminosilane" and protein and isocyanate	USPAT; US-PGPUB	2003/12/09 10:07
-	5	"silane-treated glass surface"	USPAT; US-PGPUB	2003/12/08 12:48
-	103	"silane-treated glass"	USPAT; US-PGPUB	2003/12/09 10:56
-	13	"silane-treated glass" and protein	USPAT; US-PGPUB	2003/12/08 12:51
-	0	"silane-treated glass" and 435/175.ccls	USPAT; US-PGPUB	2003/12/08 12:52
-	0	"silane-treated glass" and 435/175.ccls.	USPAT; US-PGPUB	2003/12/08 12:53
-	9	"silane-treated glass" and 435/\$.ccls.	USPAT; US-PGPUB	2003/12/08 12:53
-	7497	"silane-treated glass" phosgene and isocyanate	USPAT; US-PGPUB	2003/12/08 13:11
-	4	"silane-treated glass" and phosgene and isocyanate	USPAT; US-PGPUB	2003/12/09 09:36
-	87	"end capped" and phosgene and isocyanate	USPAT; US-PGPUB	2003/12/08 13:22
-	23	"end capped" and phosgene and isocyanate and "amino group"	USPAT; US-PGPUB	2003/12/08 13:35
-	271	isocyanate and "amino group" and "biological molecule"	USPAT; US-PGPUB	2003/12/08 13:36
-	266	isocyanate and "amino group" and "biological molecule" and protein	USPAT; US-PGPUB	2003/12/08 13:36
-	221	isocyanate and "amino group" and "biological molecule" and protein and peptide	USPAT; US-PGPUB	2003/12/08 15:27
-	5	isocyanate and "amino group" and "biological molecule" and protein and peptide and "end capped"	USPAT; US-PGPUB	2003/12/08 15:14
-	1	isocyanate and "amino group" and "biological molecule" and protein and peptide and "end capped" and "ketoxime carbonate"	USPAT; US-PGPUB	2003/12/08 13:54
-	1	isocyanate and "amino group" and "biological molecule" and protein and peptide and "end capped" and "carbonyl diimidazole"	USPAT; US-PGPUB	2003/12/08 13:55
-	150	"aminosilane" and "treated glass"	USPAT; US-PGPUB	2003/12/08 15:23
-	7	"aminosilane" and "treated glass" and phosgene	USPAT; US-PGPUB	2003/12/09 10:02
-	1	"aminosilane" and "treated glass" and "end capped"	USPAT; US-PGPUB	2003/12/08 17:34

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NEWS	8	AUG 18	FROSTI and KOSMET enhanced with Simultaneous Left and Right Truncation
NEWS	9	AUG 18	Simultaneous left and right truncation added to ANABSTR
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NEWS	14	OCT 21	BIOSIS file reloaded and enhanced
NEWS	15	OCT 28	BIOSIS file segment of TOXCENTER reloaded and enhanced
NEWS	16	NOV 24	MSDS-CCOHS file reloaded
NEWS	17	DEC 08	CABA reloaded with left truncation
NEWS	18	DEC 08	IMS file names changed
NEWS EXPRESS			NOVEMBER 14 CURRENT WINDOWS VERSION IS V6.01c, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 23 SEPTEMBER 2003
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=> file caplus

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TOTAL

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SESSION

FULL ESTIMATED COST

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0.21

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FILE COVERS 1907 - 9 Dec 2003 VOL 139 ISS 24

FILE LAST UPDATED: 8 Dec 2003 (20031208/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> "silane treated glass"

73223 "SILANE"

26055 "SILANES"

83462 "SILANE"

("SILANE" OR "SILANES")

1212006 "TREATED"

1 "TREATEDS"

1212007 "TREATED"

("TREATED" OR "TREATEDS")

624468 "GLASS"

118334 "GLASSES"

650246 "GLASS"

("GLASS" OR "GLASSES")

L1 326 "SILANE TREATED GLASS"

("SILANE" (W) "TREATED" (W) "GLASS")

=> phogene and isocyanate and "end capped"

0 PHOGENE

57354 ISOCYANATE

19901 ISOCYANATES

65023 ISOCYANATE

(ISOCYANATE OR ISOCYANATES)

380660 "END"

69227 "ENDS"

433039 "END"

("END" OR "ENDS")

13144 "CAPPED"

2348 "END CAPPED"

("END" (W) "CAPPED")

L2 0 PHOGENE AND ISOCYANATE AND "END CAPPED"

09/12/200311:38quality control.trn

=> phosgene and isocyanate and "end capped"

12155 PHOSGENE
34 PHOSGENES
12162 PHOSGENE
(PHOSGENE OR PHOSGENES)
57354 ISOCYANATE
19901 ISOCYANATES
65023 ISOCYANATE
(ISOCYANATE OR ISOCYANATES)
380660 "END"
69227 "ENDS"
433039 "END"
("END" OR "ENDS")
13144 "CAPPED"
2348 "END CAPPED"
("END" (W) "CAPPED")

L3 1. PHOSGENE AND ISOCYANATE AND "END CAPPED"

=> d

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2000:328590 CAPLUS
TI Synthesis and variable-temperature NMR studies of well-defined
oligoisocyanates.
AU Sadowsky, Jack D.; O'Leary, Daniel J.; Wade, Charles G.; Selby, T. M.;
Thoburn, John D.
CS Department of Chemistry, Pomona College, Claremont, CA, 91711, USA
SO Book of Abstracts, 219th ACS National Meeting, San Francisco, CA, March
26-30, 2000 (2000), CHED-451 Publisher: American Chemical Society,
Washington, D. C.
CODEN: 69CLAC
DT Conference; Meeting Abstract
LA English

=> d ab

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN
AB Polyisocyanates are nonbiol. macro mols. that adopt rigid, helical
conformations in soln. Because the helical structure of polyisocyanates
arises from a competition between electronic and steric factors,
solvent-polymer and side-chain interactions influence the rigidity of the
polymer backbone. To better understand the helical dynamics of
polyisocyanates, we have undertaken the synthesis and characterization of
well-defined oligomers. The synthetic scheme involves coupling the
appropriate **isocyanates** with secondary amines to obtain
trisubstituted ureas, which were deprotonated with Bu lithium and reacted
with either a carbamyl chloride or **phosgene** followed by a
secondary amine. The resulting bi- and triurets contain N-iso-Pr side
chains and **end-capped** N-Me groups or N-benzyl side
chains with N-Et end groups. These compds. are the subjects of variable
temp. NMR expts. to det. amide bond rotational barriers. Anal. of these
barriers is expected to yield information regarding soln. conformation and
helical rigidity.

=> 11 and isocyanate
59 ISOCYANATE

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32 ISOCYANTES
89 ISOCYANTE
(ISOCYANTE OR ISOCYANTES)

L4 0 L1 AND ISOCYANTE

=> l1 and isocyanate
57354 ISOCYANATE
19901 ISOCYANATES
65023 ISOCYANATE
(ISOCYANATE OR ISOCYANATES)

L5 7 L1 AND ISOCYANATE

=> d ti 1-7

L5 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN
TI Wettable silicone hydrogel compositions and methods for their manufacture

L5 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN
TI Polystyrene composites reinforced with glass and cellulose fibers

L5 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN
TI Polymers having dihydropyridine or dihydrotriazine rings, and their preparation and use

L5 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN
TI Coating glass surfaces with a hard plastic protective coating

L5 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN
TI Heat-resistant electric insulators

L5 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN
TI Thermosetting adhesive sheets

L5 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN
TI Improvement in adhesion between glass fiber and poly(vinyl chloride) resin

=> d ab bib 4

L5 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN
AB Polycaprolactone diols or triols are used with (cyclo)aliph. diisocyanates, melamine, and optionally EtC(CH₂OH)₃ to prep. shatter-resistant coatings on **silane-treated glass** containers, esp. reusable bottles for carbonated beverages. Thus, a prepolymer from caprolactone-diethylene glycol adduct (I) (OH no. 212, mol. wt. 530) 33.73, I (OH no. 135, mol. wt. 830) 522.01, EtC(CH₂OH)₃ 16.6, Bu₂Sn dilaurate (II) 0.1, and isophorone diisocyanate 428.22 parts is mixed (877.23 parts) with 121.27 parts mixt. of melamine 500, the 1st I 29.81, the 2nd I 170.19, II 0.5, and flow modifier 1 part. The mixt. gives a coating with tensile strength 32.5 N/m² and elongation 210%.

AN 1981:408960 CAPLUS

DN 95:8960

TI Coating glass surfaces with a hard plastic protective coating

IN Gras, Rainer

PA Chemische Werke Huels A.-G., Fed. Rep. Ger.

SO Ger. Offen., 30 pp.

CODEN: GWXXBX

DT Patent

LA German

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FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2938229	A1	19810402	DE 1979-2938229	19790921
	EP 25994	A2	19810401	EP 1980-105640	19800919
	EP 25994	A3	19810610		
	EP 25994	B1	19830601		
	R: BE, CH, DE, FR, GB, IT, LU, NL, SE				
	JP 56050972	A2	19810508	JP 1980-129388	19800919
PRAI	DE 1979-2938229		19790921		

=> FIL STNGUIDE

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	33.52	33.73

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.30	-1.30

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FILE CONTAINS CURRENT INFORMATION.
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=> l1 and phosgene

	0 "SILANE"
	0 "TREATED"
	9 "GLASS"
	0 "SILANE TREATED GLASS"
	("SILANE" (W) "TREATED" (W) "GLASS")
	0 PHOSGENE
L6	0 L1 AND PHOSGENE

=> file biosis

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.60	34.33

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-1.30

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FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 3 December 2003 (20031203/ED)

FILE RELOADED: 19 October 2003.

=> l1 and phosgene

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NEWS	9	AUG 18	Simultaneous left and right truncation added to ANABSTR
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NEWS	11	DEC 08	INPADOC: Legal Status data reloaded
NEWS	12	SEP 29	DISSABS now available on STN
NEWS	13	OCT 10	PCTFULL: Two new display fields added
NEWS	14	OCT 21	BIOSIS file reloaded and enhanced
NEWS	15	OCT 28	BIOSIS file segment of TOXCENTER reloaded and enhanced
NEWS	16	NOV 24	MSDS-CCOHS file reloaded
NEWS	17	DEC 08	CABA reloaded with left truncation
NEWS	18	DEC 08	IMS file names changed
NEWS EXPRESS			NOVEMBER 14 CURRENT WINDOWS VERSION IS V6.01c, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 23 SEPTEMBER 2003
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=> file caplus

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FILE COVERS 1907 - 9 Dec 2003 VOL 139 ISS 24

FILE LAST UPDATED: 8 Dec 2003 (20031208/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> phosgene and isocyanate

12155 PHOSGENE
34 PHOSGENES
12162 PHOSGENE
(PHOSGENE OR PHOSGENES)
57354 ISOCYANATE
19901 ISOCYANATES
65023 ISOCYANATE
(ISOCYANATE OR ISOCYANATES)
L1 1309 PHOSGENE AND ISOCYANATE

=> "silane treated glass"

73223 "SILANE"
26055 "SILANES"
83462 "SILANE"
("SILANE" OR "SILANES")

09/12/200311:38quality control.trn

```
1212006 "TREATED"
      1 "TREATEDS"
1212007 "TREATED"
      ("TREATED" OR "TREATEDS")
624468 "GLASS"
118334 "GLASSES"
650246 "GLASS"
      ("GLASS" OR "GLASSES")
L2      326 "SILANE TREATED GLASS"
      ("SILANE" (W) "TREATED" (W) "GLASS")
```

=> l1 and l2

L3 0 L1 AND L2

=> "silane treated glass" and phosgene

```
73223 "SILANE"
26055 "SILANES"
83462 "SILANE"
      ("SILANE" OR "SILANES")
1212006 "TREATED"
      1 "TREATEDS"
1212007 "TREATED"
      ("TREATED" OR "TREATEDS")
624468 "GLASS"
118334 "GLASSES"
650246 "GLASS"
      ("GLASS" OR "GLASSES")
      326 "SILANE TREATED GLASS"
      ("SILANE" (W) "TREATED" (W) "GLASS")
12155 PHOSGENE
      34 PHOSGENES
12162 PHOSGENE
      (PHOSGENE OR PHOSGENES)
L4      0 "SILANE TREATED GLASS" AND PHOSGENE
```

=> "silane treated glass" and proteins

```
73223 "SILANE"
26055 "SILANES"
83462 "SILANE"
      ("SILANE" OR "SILANES")
1212006 "TREATED"
      1 "TREATEDS"
1212007 "TREATED"
      ("TREATED" OR "TREATEDS")
624468 "GLASS"
118334 "GLASSES"
650246 "GLASS"
      ("GLASS" OR "GLASSES")
      326 "SILANE TREATED GLASS"
      ("SILANE" (W) "TREATED" (W) "GLASS")
1081174 PROTEINS
      4 PROTEINSES
1081178 PROTEINS
      (PROTEINS OR PROTEINSES)
L5      5 "SILANE TREATED GLASS" AND PROTEINS
```

=> d ti 1-5

L5 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN

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TI Method of attaching dialdehyde starch to a surface for creating good linking sites for other matters

L5 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN

TI Practical use of concentration-dependent contact angles as a measure of solid-liquid adsorption. 2. Experimental aspects

L5 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN

TI Preparation of protein membranes by Langmuir-Blodgett process

L5 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN

TI The adsorption of lysozymes: a model system

L5 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN

TI New immunochemical-glass conjugates

=> d ab 1,2

L5 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN

AB In the title method, the oxidized starch (I) was used as coupler for improving affinity of a surface to, e.g. peptide coupling, cell attachment, etc., and was applied to a surface from a soln. followed by drying the surface at 50-150.degree.. Binding of a peptide to the I-coated surface of polystyrene or **silane-treated glass** was exemplified.

L5 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN

AB Exptl. aspects of using either contact angle goniometry or Wilhelmy balance tensiometry in the measurement of surfactant adsorption through concn.-dependent contact angles is discussed. A test system consisting of nonwetable, **silane-treated glass** slides and the nonionic detergent Tween-80 (polyoxyethylene sorbitan monooleate) was used to illustrate differences in adsorption results obtained by these 2 distinct methods. The wetting data are interpreted by application of the Gibbs' adsorption isotherm which quantifies adsorption through a surface excess parameter, $[\Gamma_{sl} - \Gamma_{sv}]$, that simultaneously measures surfactant adsorption at both solid-liq. (sl) and solid-vapor (sv) interfaces. It is shown that Wilhelmy balance tensiometry consistently gives lower values for $[\Gamma_{sl} - \Gamma_{sv}]$, apparently due to unavoidable solute deposition at the sv interface caused by liq.-front vibrations and to solvent (water) evapn. at the moving solid-liq.-vapor (slv) 3-phase line. By contrast, the slv line is stationary in the goniometry method and $[\Gamma_{sl} - \Gamma_{sv}]$.apprxeq. Γ_{sl} , so that the surface excess unambiguously can be interpreted in terms of sl adsorption at these hydrophobic surfaces. The adsorption results are interpreted in terms of the mol. configuration of Tween 80 in the adsorbed state at liq. and solid interfaces. These exptl. methods are extended to human serum albumin to explore the potential utility of concn.-dependent contact angle measurements in the study of protein adsorption on solid surfaces.

=> d bib 1

L5 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN

AN 1994:194420 CAPLUS

DN 120:194420

TI Method of attaching dialdehyde starch to a surface for creating good